
PIK3R1 (animal-free) Mouse mAb

Catalog Number: bsm-77002M

Target Protein: PIK3R1 (animal-free)

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 5C11

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW: 80 kDa

Entrez Gene: 18708

Swiss Prot: P26450

Source: Recombinant mouse PI3K p85 Protein: 1-110/724.

Purification: affinity purified by Protein A

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

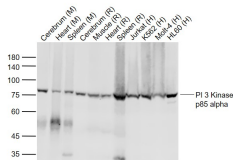
Size : 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Heart tissue lysates Lane 3: Mouse Spleen tissue lysates Lane 4: Rat Cerebrum tissue lysates Lane 5: Rat Muscle tissue lysates Lane 6: Rat Heart tissue lysates Lane 7: Rat Spleen tissue lysates Lane 8: Human Jurkat cell lysates Lane 9: Human K562 cell lysates Lane 10: Human Molt-4 cell lysates Lane 11: Human HL60 cell lysates Primary: Anti-PI 3 Kinase p85 alpha (bsm-77002M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 80 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.24] Jing Hu. et al. Investigation of the active ingredients and pharmacological mechanisms of *Porana sinensis* Hemsl. Against rheumatoid arthritis using network pharmacology and experimental validation. Plos One. 2022 Mar;17(3):e0264786 WB ; Rat . 35235611